

Express Mail Label No.: EJ69 173US

Date of Deposit: June 30, 2000

Attorney Docket No. 19721-007 (AV-7)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Murdin *et al.*  
ASSIGNEE: Connaught Laboratories Limited  
SERIAL NO.: 09/428,122 EXAMINER: Not Yet Assigned  
FILING DATE: October 27, 1999 ART UNIT: 1643  
FOR: *CHLAMYDIA* ANTIGENS AND CORRESPONDING DNA FRAGMENTS  
AND USES THEREOF

June 30, 2000  
Boston, Massachusetts

Assistant Commissioner for Patents  
Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

## Foreign Patent Documents

PCT	WO 98/02546	University of Manitoba	22/01/98
EP	0 784 059 A1	Hitachi Chemical Co., Ltd.	16/07/97
PCT	WO 99/27105	Genset	03/06/99
PCT	WO 98/18323	Smith et al	05/07/98
PCT	WO 95/12411	Sabara, et al.	05/11/95
PCT	WO 98/58953	Knudsen, et al.	12/30/98
PCT	WO 97/46709	Cerney	12/11/97

## Other Non Patent Literature Documents

Bannantine, <i>et al.</i> , MOLECULAR MICROBIOLOGY, 28:5, 1017-1026 (1998).
Rockey, <i>et al.</i> , MICROBIOLOGY, 142, 945-953 (1996).
Lundemose, <i>et al.</i> , MOLECULAR MICROBIOLOGY, 6:17, 2539-2548 (1992).
Melgosa, <i>et al.</i> , FEMS MICROBIOLOGY LETTERS, 112, 199-204 (1993).

Applicant: Murdin *et al.*

Page 2

Kalman, <i>et al.</i> , NATURE GENETICS, 21, 385-389 (1999).
Stephens, <i>et al.</i> , SCIENCE, 282, 754-759 (1998).
Kalman, <i>et al.</i> , EMBL Database Entry AE001648 (1999-03-15).
Bannantine, <i>et al.</i> , EMBL Database Entry AF017105 (1999-05-10).
Kalman, <i>et al.</i> , EMBL Database Entry AE001614 (1999-05-15).
Stephens, <i>et al.</i> , EMBL Database Entry AE001334 (1998-10-28).
Kalman, <i>et al.</i> , EMBL Database Entry AE001656 (1999-03-15).
Mitchell, <i>et al.</i> , EMBL Database Entry AE01344 (1998-10-28).
Kalman, <i>et al.</i> , EMBL Database Entry AE001668 (1999-03-15).
Brindha, <i>et al.</i> , Microbiology Methods XP-000853724, 1-9 (1997)
Baldwin, <i>et al.</i> , Infection and Immunity, XP-000867804, 3909-3913 (1990)
Biendo, <i>et al.</i> , Immunology, XP-000853580, 706-709 (1996)
Halme, <i>et al.</i> , Immunology, XP-002057609, 378-384 (1997)
Christiansen, <i>et al.</i> , Scandinavian Univ. Press, 5-10 (1997)
Melgosa, <i>et al.</i> , Microbiology, 199-204 (1993)
Kalman, <i>et al.</i> , EMBL Database Entry XP002133215 (1998-07-22)
Kalman, <i>et al.</i> , EMBL Database Entry XP002129403 (1999-03-15)
Kalman, <i>et al.</i> , EMBL Database Entry XP002133216 (1999-03-15)
Longbottom, <i>et al.</i> EMBL Database Entry XP002135734 (1996-11-5)
Longbottom, <i>et al.</i> INFEC. IMMUN. XP00885982, 1317-1324, Vol. 66, No. 4 (1998)
Birkeland, <i>et al.</i> EMBL Database Entry XP002135735 (1999-04-26)
Kalman <i>et al.</i> EMBL Database Entry XP002135736 (1999-05-01)
Kalman <i>et al.</i> NATURE GENETICS. XP000853883, 385-389, Vol. 21, No. 4 (1999)
Griffais, EMBL Database Entry XP002135737 (1999-09-15)
Christianson, <i>et al.</i> SCANDINAVIAN J. XP002088986, 5-10, Suppl. 104 (1997-01-01)
Kanamoto, <i>et al.</i> MICROBIOLOGY XP002088968, 495-498, Vol. 37, No. 6 (1993-01-01)
Campbell, <i>et al.</i> CLINICAL MICROBIOLOGY XP002057608, 1261-1264, Vol. 28, No. 6, (1990-06-01)
Campbell, <i>et al.</i> INFEC. IMMUNITY XP000083693, 93-97, Vol. 58, No. 1, (1990-01-01)

This Information Disclosure Statement is being filed:

- ☐ within three months of the filing date of the National Application;
- ☐ within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International Application; or
- ☒ before the mailing date of a first Office Action on the merits in the above-identified case.

Accordingly, no fee or certification is required. 37 C.F.R. §1.97

A copy of each of the above-identified references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

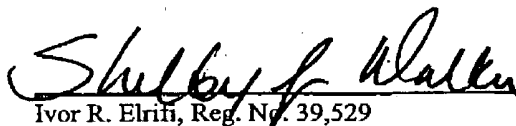
Applicant: Murdin *et al.*

Page 3

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 19721-007 (AV-7).

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529

Michel Morency, Limited Recognition

Shelby J. Walker, Reg. No. 45,192

Attorneys for Applicant

MINTZ, LEVIN *et al.*

One Financial Center

Boston, Massachusetts 02111

Tel: (617) 542-6000

Fax: (617) 542-2241

Dated: June 30, 2000

TRADOCs:1346286.1(S%\$%01!.DOC)

Express Mail No. EJ6953721 S  
Date of Deposit: June 30, 2000

<b>Modified Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	09/428,122
	<b>Filing Date</b>	October 27, 1999
	<b>First Named Inventor</b>	Murdin <i>et al</i>
	<b>Group Art Unit</b>	1643
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket Number</b>	19721-007 (AV-7)

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number		Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1	PCT	WO 98/02546	University of Manitoba	22/01/98	
	B2	EP	0 784 059 A1	Hitachi Chemical Co., Ltd.	16/07/97	
	B3	PCT	WO 99/27105	Genset	03/06/99	
	B4	PCT	WO 98/18323	Smith <i>et al</i>	05/07/98	
	B5	PCT	WO 95/12411	Sabara, <i>et al.</i>	05/11/95	
	B6	PCT	WO 98/58953	Knudsen, <i>et al.</i>	12/30/98	
	B7	PCT	WO 97/46709	Cerney	12/11/97	

OTHER NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Bannantine, <i>et al.</i> , MOLECULAR MICROBIOLOGY, 28:5, 1017-1026 (1998).
	C2	Rockey, <i>et al.</i> , MICROBIOLOGY, 142, 945-953 (1996).
	C3	Lundemose, <i>et al.</i> , MOLECULAR MICROBIOLOGY, 6:17, 2539-2548 (1992).
	C4	Melgosa, <i>et al.</i> , FEMS MICROBIOLOGY LETTERS, 112, 199-204 (1993).
	C5	Kalman, <i>et al.</i> , NATURE GENETICS, 21, 385-389 (1999).
	C6	Stephens, <i>et al.</i> , SCIENCE, 282, 754-759 (1998).
	C7	Kalman, <i>et al.</i> , EMBL Database Entry AE001648 (1999-03-15).
	C8	Bannantine, <i>et al.</i> , EMBL Database Entry AF017105 (1999-05-10).
	C9	Kalman, <i>et al.</i> , EMBL Database Entry AE001614 (1999-05-15).
	C10	Stephens, <i>et al.</i> , EMBL Database Entry AE001334 (1998-10-28).
	C11	Kalman, <i>et al.</i> , EMBL Database Entry AE001656 (1999-03-15).
	C12	Mitchell, <i>et al.</i> , EMBL Database Entry AE01344 (1998-10-28).
	C13	Kalman, <i>et al.</i> , EMBL Database Entry AE001668 (1999-03-15).
	C14	Brindha, <i>et al.</i> , Microbiology Methods XP-000853724, 1-9 (1997)
	C15	Baldwiin, <i>et al.</i> , Infection and Immunity, XP-000867804, 3909-3913 (1990)
	C16	Biendo, <i>et al.</i> , Immunology, XP-000853580, 706-709 (1996)
	C17	Halme, <i>et al.</i> , Immunology, XP-002057609, 378-384 (1997)
	C18	Christiansen, <i>et al.</i> , Scandinavian Univ. Press, 5-10 (1997)
	C19	Melgosa, <i>et al.</i> , Microbiology, 199-204 (1993)
	C20	Kalman, <i>et al.</i> , EMBL Database Entry XP002133215 (1998-07-22)

Page - 2 -

OTHER NONPATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C21	Kalman, <i>et al.</i> , EMBL Database Entry XP002129403 (1999-03-15)
	C22	Kalman, <i>et al.</i> , EMBL Database Entry XP002133216 (1999-03-15)
	C23	Longbottom, <i>et al.</i> , EMBL Database Entry XP002135734 (1996-11-5)
	C24	Longbottom, <i>et al.</i> , INFEC. IMMUN. XP00885982, 1317-1324, Vol. 66, No. 4 (1998)
	C25	Birkeland, <i>et al.</i> , EMBL Database Entry XP002135735 (1999-04-26)
	C26	Kalman <i>et al.</i> , EMBL Database Entry XP002135736 (1999-05-01)
	C27	Kalman <i>et al.</i> , NATURE GENETICS. XP000853883, 385-389, Vol. 21, No. 4 (1999)
	C28	Griffais, EMBL Database Entry XP002135737 (1999-09-15)
	C29	Christianson, <i>et al.</i> , SCANDINAVIAN J. XP002088986, 5-10, Suppl. 104 (1997-01-01)
	C30	Kanamoto, <i>et al.</i> , MICROBIOLOGY XP002088968, 495-498, Vol. 37, No. 6 (1993-01-01)
	C31	Campbell, <i>et al.</i> , CLINICAL MICROBIOLOGY XP002057608, 1261-1264, Vol. 28, No. 6, (1990-06-01)
	C32	Campbell, <i>et al.</i> , INFEC. IMMUNITY XP000083693, 93-97, Vol. 58, No. 1, (1990-01-01)

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

TRADOCS:1345313.1(\$%1T011.DOC)